



## **Associate in Arts (AA) Biomedical Sciences Transfer Intent**

This Program Map is Part of the **Science, Technology, Engineering, and Mathematics Pathway**

This Program Map is for students who plan to earn an AA degree at Polk State College and transfer to University of Central Florida and University of South Florida and earn a bachelor's degree in Biomedical Sciences. This Program Map is intended to serve as a guide, and students should always meet with their Student Success Advisor to develop a personalized Educational Plan.

### **Program Map for Students Attending Full-Time**

<b>Term</b>	<b>Course ID</b>	<b>Course Title</b>	<b>Credits</b>
<b>Term 1 12 Credits</b>	SLS 1122	First-Year Experience	3 Credits
	ENC 1101	College Composition I	3 Credits
	MAC 1105	College Algebra (See Note 1 Below)	3 Credits
	Civic Literacy	Civic Literacy/Social Sciences General Education Course (See Note 2)	3 Credits
<b>Term 2 13 Credits</b>	ENC 1102	College Composition II	3 Credits
	CHM 1045C	General Chemistry I	4 Credits
	MAC 1114	Trigonometry (See Note 3)	3 Credits
	HUM 2020	Introduction to Humanities	3 Credits
<b>Term 3 7 Credits</b>	CHM 1046C	General Chemistry II	4 Credits
	LIT 1000	Introduction to Literature	3 Credits
<b>Term 4 15 Credits</b>	BSC 1010C	Principles of Biology I	4 Credits
	MAC 1140	Precalculus Algebra (See Note 3)	3 Credits
	PSY 2012	General Psychology	3 Credits
	CHM 2210C	Organic Chemistry I	5 Credits
<b>Term 5 14 Credits</b>	MAC 2311	Calculus I	5 Credits
	BSC 1011C	Principles of Biology II	4 Credits
	CHM 2211C	Organic Chemistry II	5 Credits
<b>Term 6 4-5 Credits</b>	PHY 2053C or PHY 2048C	General Physics I or General Physics I with Calculus	4-5 Credits
<b>Term 7 12-15 Credits</b>	MAC 2312 or STA 2023	Calculus II, or Introduction to Probability and Statistics	3-5 Credits
	PHY 2054C or PHY 2049C	General Physics II or General Physics II with Calculus	4-5 Credits
	Humanities	Humanities General Education Course	3 Credits
	HLP 1081	Wellness Concepts	2 Credits

**Total Required Program Credit Hours: 60**

**Total Program Map Credit Hours: 77-81 (See Note 4)**

### **A Few Notes:**

1. Students must earn an appropriate score on a placement examination or complete MAT 1033 Intermediate Algebra to enroll in MAC 1105 College Algebra.
2. Pursuant to Rule 6A-10.02413 of the Florida Administrative Code, all degree-seeking students must demonstrate competency in civic literacy by both passing the Florida Civic Literacy Exam and by completion of AMH 1010 (History of the United States: 1607-1877), AMH 1020 (History of the United States: 1877 to the Present) or POS 2041 (American National Government). Students may also use AP or CLEP credit for one of the three-course options.
3. Students who earn a grade of A or B in MAC 1105 College Algebra are eligible to take MAC 1147 Precalculus Algebra/Trigonometry instead of MAC 1114 Trigonometry and MAC 1140 Precalculus Algebra.



4. The AA degree requires the completion of 60 credit hours, including 36 credit hours of General Education courses and 24 credit hours of elective courses. This transfer intent requires the completion of additional courses to meet all pre-requisites for admission into a bachelor's degree program at a state university. These additional courses are in excess of required program hours and may not be covered by financial aid. Students should speak to their Student Success Advisor for more information.
5. Students must meet all graduation requirements, including demonstrating proficiency in a foreign language. To learn more about graduation requirements, [please refer to the College Catalog](#).

CIP: 26.0102 – **2024-2025 Catalog Year (tentative)**

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### Additional Information

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#### Career Coach

Are you interested in learning more about the careers this program will prepare you for? If so, check out Career Coach. Career Coach provides information on job openings, wages, education requirements, required skills, and job postings. You can even complete a career assessment to find careers that match your interests. To learn more about the careers that this program will prepare you for, [please visit Career Coach](#).



#### University of South Florida Fuse

Students interested in this transfer intent may be eligible for the USF Fuse program. Fuse is a transfer program between the University of South Florida and Polk State College. This partnership provides a seamless academic pathway for students to complete their associate degree, which guarantees admission into specific majors at USF and promotes timely graduation. To be eligible, students must complete their AA degree within three years of high school graduation. To learn more about the Fuse program, [please click here](#).



#### Polk State Pathways

Interested in exploring Program Maps for other programs and transfer intents at Polk State? Visit [www.polk.edu/program-maps](http://www.polk.edu/program-maps) to view additional Pathways and Program Maps.

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### Program Map for Students Attending Part-Time

Term	Course ID	Course Title	Credits
Term 1	SLS 1122	First-Year Experience	3 Credits
	MAC 1105	College Algebra (See Note 1)	3 Credits
Term 2	ENC 1101	College Composition I	3 Credits
	CHM 1045C	General Chemistry I	4 Credits
Term 3	ENC 1102	College Composition II	3 Credits
	MAC 1140	Precalculus Algebra (See Note 2)	3 Credits
Term 4	MAC 1114	Trigonometry (See Note 2)	3 Credits
	CHM 1046C	General Chemistry II	4 Credits
Term 5	CHM 2210C	Organic Chemistry I	5 Credits
	HUM 2020	Introduction to Humanities	3 Credits
Term 6	LIT 1000	Introduction to Literature	3 Credits
	MAC2311	Calculus I	5 Credits
Term 7	MAC2312 or STA 2023	Calculus II or Introduction to Probability and Statistics	3-5 Credits
	CHM 2211C	Organic Chemistry II	5 Credits
Term 8	PHY 2053C or PHY 2048C	General Physics I or General Physics I with Calculus	4-5 Credits
	Civic Literacy	Civic Literacy/Social Sciences General Education Course (See Note X)	3 Credits
Term 9	PHY 2054C or PHY 2049C	General Physics II or General Physics II with Calculus	4-5 Credits
	HLP 1081	Wellness Concepts	2 Credits
Term 10	BSC 1010C	Principles of Biology I	4 Credits
	PSY 2012	General Psychology	3 Credits
Term 11	BSC 1011C	Principles of Biology II	4 Credits
	Humanities	Humanities General Education Course	3 Credits

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